

Abstract

[032] The present invention discloses a series of novel hindered spiro-ketal nitroxides prepared by the ketalization reaction of 1,3-propanediols with triacetoneamine followed by oxidation.

This invention also shows that these novel spiro-nitroxides are capable of inhibiting vinyl and acrylate polymerizations using an effective inhibition concentration of the nitroxide of the present invention.